

DEPARTMENT OF TRANSPORTATION**DIVISION OF ENGINEERING SERVICES**

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch
690 Walnut Ave.St. 150
Vallejo, CA 94592-1133
(707) 649-5453
(707) 649-5493

Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 69.15**SOURCE INSPECTION REPORT****Resident Engineer:** Pursell, Gary**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** SIR-002608**Date Inspected:** 13-Aug-2010**Project Name:** SAS Superstructure**OSM Arrival Time:** 700**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 1900**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Location:** Shanghai, China**Quality Control Contact:** Mr. Don Walton**Quality Control Present:** Yes No**Material transfer:** Yes No N/A**Sampled Items:** Yes No N/A**Stock Transfer:** Yes No N/A**OK to Cut:** Yes No N/A**Rebar Test Witness:** Yes No N/A**Delayed/Cancelled:** Yes No N/A**Other:** Coating Inspection**Bridge No:** 34-0006**Component:** See Below**Bid Item:** 77, 78, 79**Lot No:** B #204**Summary of Items Observed:**

On this date Caltrans Office of Structural Materials (OSM) Quality Assurance (QA) NACE II coating inspector, Mr. Baskar Govindarajan arrived on site at the Zhenhua Port Machinery Company (ZPMC) facility at Changxing Island in Shanghai, China. The purpose of the coating inspections are to monitor the surface preparation and coating applications for the SAS Bay Bridge project. This QA NACE II coating inspector observed the following:

1. An inspection was requested on the OBG segment 10CE, internal ceiling from Pre weld seam to P.P 92 to P.P 93 to P.P 94 to the pre weld seam, for DFT check of primer, vide request no. 3996 at Paint shop 1. This QA inspector observed, ABF inspectors Mr. Turtle, Mr. Vince, and Mr. Shi Stone performing the DFT check in mentioned areas. This was found rejected by ABF Inspectors for high DFT, Low DFT, Holidays and Mud cracking. This was again re offered for inspection vide request no. 3999 in the afternoon. Mr. Turtle and Mr. David from ABF found attended the same and accepted. International protective coatings technical service representative Mr. Li Peng. was found present during the course of this inspection process.

2. An inspection was requested on the Tower Splices- 83mtr. for surface preparation inspection, vide inspection request no. T 1027 at Blast shop no. 4. This QA inspector observed, ABF inspectors Mr. Shi Stone and Mr. Hong inspected all the splice surfaces. The surface profile measured by ZPMC inspectors at 3 places by Coarse grain method found to be 66 to 85 microns. The Results of residual chlorides test conducted by ZPMC inspectors found to be 22.4 us/cm. The result of Salt test and Surface profile found to be acceptable as per contract Documents. These splice plates found to be accepted by ABF Inspectors for Interzinc 22 application. International protective coatings technical service representative Mr. Li Peng. was found present during the course of this inspection process. (Photo of 83 mtr. splices and salt test result at Blast shop 4 is attached)

SOURCE INSPECTION REPORT

(Continued Page 2 of 2)

3. An inspection was requested on the Tower Stiffener Splices- 35 pieces for surface preparation inspection, vide inspection request no. T 1028 at Blast shop no. 4. This QA inspector observed, ABF inspectors Mr. Shi Stone and Mr. Hong inspected all the splice surfaces. The surface profile measured by ZPMC inspectors at 3 places by Coarse grain method found to be 72 to 82 microns. The Results of residual chlorides test conducted by ZPMC inspectors found to be 21.5 us/cm. The result of Salt test and Surface profile found to be acceptable as per contract Documents. These splice plates found to be accepted by ABF Inspectors for Interzinc 22 application. International protective coatings technical service representative Mr. Li Peng, was found present during the course of this inspection process.

Unless otherwise noted, all work observed on this date appeared to generally comply with applicable contract documents.



Summary of Conversations:

No relevant conversation

Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact Michel Ng (15921845703), who represents the Office of Structural Materials for your project.

Inspected By:	Baskar, Govindarajan	Quality Assurance Inspector
Reviewed By:	Clifford, William	QA Reviewer
